

Voltage Controlled Oscillator

ROS-ED11929A/3

Typical Performance Data

V TUNE	TUNE SENS (MHz/V)	FREQUENCY (MHz)			POWER OUTPUT (dBm)			HARMONICS (dBc)			FREQ. PUSH (MHz/V)	FREQ OFFSET (KHz)	PHASE NOISE (dBc/Hz)
		-55°C	+25°C	+85°C	-55°C	+25°C	+85°C	F2	F3	F4			
1.0	33.85	1788.1	1777.3	1773.2	6.99	6.92	6.83	-18.7	-39.5	-42.3	0.90	1	-78
2.0	35.60	1823.9	1812.6	1805.1	6.75	6.81	6.47	-19.1	-36.5	-50.0	0.98	10	-103
3.0	37.95	1862.0	1850.6	1842.8	6.71	6.63	6.25	-19.6	-34.1	-43.1	1.06	100	-123
4.0	39.10	1901.7	1890.0	1882.1	6.74	6.49	6.52	-20.8	-32.9	-36.9	0.94	1000	-143
5.0	39.48	1942.7	1930.7	1922.5	6.25	6.36	5.98	-21.4	-31.0	-33.0	0.90		
6.0	37.20	1981.4	1969.8	1961.7	6.24	6.12	5.81	-21.5	-30.2	-31.0	0.87		
7.0	36.50	2018.2	2006.5	1998.4	6.25	6.03	6.16	-22.7	-29.4	-29.2	0.86		
8.0	35.24	2054.1	2042.5	2034.3	5.91	5.96	5.71	-22.6	-28.6	-28.1	0.84		
9.0	33.49	2088.0	2076.8	2068.6	5.76	5.83	5.35	-22.4	-28.4	-29.1	0.92		
10.0	31.10	2120.7	2109.2	2101.3	5.73	5.74	5.55	-22.9	-27.3	-30.7	0.72		
11.0	30.41	2153.1	2141.4	2133.3	5.55	5.58	5.56	-25.9	-26.5	-30.1	0.80		
12.0	29.88	2183.8	2172.6	2164.6	5.32	5.37	5.04	-26.7	-26.6	-29.6	0.92		
13.0	26.59	2213.1	2202.2	2194.3	5.24	5.14	4.86	-27.9	-26.6	-28.4	0.91		
14.0	29.14	2241.2	2231.0	2223.1	5.21	5.00	5.07	-28.7	-26.3	-29.1	0.78		
15.0	27.89	2269.2	2259.4	2251.5	5.16	4.89	5.12	-29.0	-26.5	-29.9	0.74		
16.0	26.73	2296.2	2286.5	2278.7	5.03	4.83	4.94	-29.3	-27.8	-31.0	0.68		
17.0	25.25	2321.9	2312.2	2304.5	5.06	4.84	4.87	-29.5	-29.1	-32.6	0.57		
18.0	24.22	2346.8	2336.9	2329.1	5.12	4.93	5.19	-30.0	-32.0	-36.1	0.43		
19.0	23.24	2370.9	2360.9	2352.8	5.09	5.05	5.34	-30.0	-34.3	-39.6	0.33		
20.0	20.21	2393.1	2383.0	2374.9	5.06	5.06	5.08	-30.1	-32.1	-41.1	0.28		
21.0	18.43	2412.8	2402.7	2394.5	5.10	5.09	4.94	-30.6	-29.6	-43.8	0.25		
22.0	16.29	2430.5	2420.1	2411.7	5.18	5.17	4.97	-31.2	-27.8	-46.6	0.19		
23.0	14.16	2445.9	2435.3	2426.8	5.18	5.19	5.02	-31.8	-27.8	-46.9	0.20		
24.0	12.24	2459.4	2448.6	2439.8	5.19	5.25	5.11	-32.7	-26.9	-48.0	0.24		
25.0	10.50	2471.0	2460.0	2451.0	5.22	5.32	5.24	-33.2	-27.3	-46.4	0.36		
26.0	8.85	2480.9	2469.7	2460.6	5.25	5.35	5.31	-33.7	-28.0	-45.7	0.50		
27.0	7.54	2487.3	2478.0	2472.8	5.31	5.37	5.34	-33.9	-27.8	-45.1	0.68		